

JUL 19 2007

PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Sheet 1 of 12

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, D. B.
Art Unit	1849
Examiner Name	Ballard, K. A.
Attorney Docket Number	15270J-004743US

U.S. PATENT DOCUMENTS

Examiner	Cite No.	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/D.K./	855	7,195,761	03-27-2007	Holtzman et al.	
	878	7,189,819	03-13-2007	Basi et al.	
	879	7,179,892	02-20-2007	Basi et al.	
	880	7,014,855	03-21-2006	Schenk	
	881	6,982,084	01-03-2006	Schenk	
	686	6,972,127	12-06-2005	Schenk	
	785	2005/0249725 A1	11-10-2005	Schenk et al.	
	866	6,962,884	11-08-2005	Ishiwata et al.	
	693	2005/0191314 A1	09-01-2005	Schenk	
	713	6,936,698	08-30-2005	Taylor	
	716	6,933,388	08-23-2005	Co et al.	
	758	2005/0169925 A1	08-04-2005	Bardroff et al.	
	685	2005/0163788 A1	07-28-2005	Schenk	
	884	2005/0152878 A1	07-14-2005	Solomon et al.	
	715	2005/0136054 A1	06-23-2005	Adair et al.	
	714	2005/0123534 A1	06-09-2005	Adair et al.	
	784	2005/0118651 A1	06-02-2005	Basi et al.	
	683	2005/0059802 A1	03-17-2005	Schenk et al.	
	684	2005/0059591 A1	03-17-2005	Schenk et al.	
	805	2004/0197324 A1	10-07-2004	Jun et al.	
	882	6,787,139	09-07-2004	Schenk	
	783	2004/0087777 A1	05-06-2004	Basi et al.	
	782	2004/0082762 A1	04-29-2004	Basi et al.	
	849	6,727,349	04-27-2004	LaRosa et al.	
	870	2003/0207828 A1	11-06-2003	Ishiwata et al.	
	708	2003/0039645 A1	10-14-2003	Adair et al.	
	804	2003/0202972 A1	10-30-2003	James et al.	
	712	6,639,055	10-28-2003	Carter et al.	
	709	6,632,927	10-14-2003	Adair et al.	
	748	6,610,493	08-26-2003	Citron et al.	

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² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1448A/PTO

**INFORMATION DISCLOSURE
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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, D. B.
Art Unit	1649
Examiner Name	Ballard, K. A.
Attorney Docket Number	15270J-004743US

Sheet	2	of	12	Attorney Docket Number	15270J-004743US
/D.K./ 					

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Sheet	3	of	12	Application Number	09/724,319
				Filing Date	November 27, 2000
				First Named Inventor	Schenk, D. B.
				Art Unit	1649
				Examiner Name	Ballard, K. A.
				Attorney Docket Number	15270J-004743US

D.K.	708	5,585,089	12-17-1996	Queen et al.	
	781	5,385,887	01-31-1995	Yim et al.	
	868	5,245,015	09-14-1993	Fung et al.	
	819	5,227,159	07-13-1993	Miller	
	703	5,225,539	07-06-1993	Winter	
	740	4,883,666	11-28-1989	Sabel et al.	
	691	11/245,524	filed 10-07-2005	Schenk	
	692	11/245,916	filed 10-07-2005	Schenk	
	763	60/067,740	filed 12-02-1997	Schenk	
	760	60/067,219	filed 12-03-1997	Weiner et al.	
	761	60/079,697	filed 03-27-1998	Weiner et al.	
	762	60/080,970	filed 01-11-1999	Schenk	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
D.K.	853	EP	921 189	B1	01-12-2005			
	842	EP	1 481 992	A2, A3	12-01-2004			
	786	EP	758 901	B1	02-26-1997			
	787	EP	758 248	B1	02-19-1997			
	738	EP	626 390	A1	11-30-1994			
	802	EP	597 101	A1	05-18-1994			
	820	EP	285 159	A1	10-05-1988			
	848	WO	05/026211	A2, A3	03-24-2005			
	701	WO	05/014041	A2	02-17-2005			
	757	WO	04/108895	A2, A3	12-16-2004			
	847	WO	04/071408	A2	08-26-2004			
	797	WO	04/055164	A2	07-01-2004			
	848	WO	04/044204	A2, A3	05-27-2004			
	796	WO	03/105894	A1	12-24-2003			
	845	WO	03/072036	A2, A3	09-04-2003			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)						Application Number	09/724,319
						Filing Date	November 27, 2000
						First Named Inventor	Schenk, D. B.
						Art Unit	1649
						Examiner Name	Ballard, K. A.
Sheet	4	of	12	Attorney Docket Number		15270J-004743US	
/D.K./	799	WO	03/39485	A2	05-15-2003		
	756	WO	03/18467	A2, A3	02-27-2003		
	803	WO	03/18468	A2	02-27-2003		
	788	WO	03/15691	A2	02-27-2003		
	798	WO	03/09817	A2	02-06-2003		
	827	WO	02/96937	A2	12-05-2002		
	789	WO	01/05355	A2	01-25-2001		
	772	WO	99/10008	A1	03-04-1999		
	813	WO	97/03192	A3	01-30-1997		
	854	WO	95/07301	A1	03-16-1995		
	698	WO	95/06407	A1	03-09-1995		
	736	WO	94/10569	A1	05-11-1994		
	814	WO	94/00153	A1	01-06-1994		
✓	821	WO	91/16928	A1	11-14-1991		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,319
		Filing Date	November 27, 2000
		First Named Inventor	Schenk, D. B.
		Art Unit	1649
		Examiner Name	Ballard
Sheet 5 of 12	Attorney Docket Number	15270J-004743US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/D.K./	773	ALBERTS ET AL., <i>Molecular Biology of the Cell</i> , 2nd Edition, pages 266-267, Garland Publishing Inc., New York (1989).	
/D.K./	875	ARD et al., "Scavenging of Alzheimer's Amyloid β -Protein by Microglia in Culture," <i>J. Neuroscience Research</i> , 43:190-202 (1996).	
/D.K./	881	AULD et al., "Alzheimer's disease and the basal forebrain cholinergic system: relations to β -amyloid peptides, cognition, and treatment strategies," <i>Progress in Neurobiol.</i> , 68:209-245 (2002).	
	790	BALES et al., "Administration of an Anti-A β Fab Fragment to APP ^{V717F} Transgenic Mice Reduces Neuritic Plaque," Abstract P4-398 Page S587 presented at Poster Session P4: Therapeutics and Therapeutic Strategies-Therapeutic Strategies, Amyloid-Based	
/D.K./	858	BALES et al., "Cholinergic dysfunction in a mouse model of Alzheimer disease is reversed by an anti-A β antibody," <i>J. Clin. Invest.</i> , 116(3):825-832 (2006).	
	750	BICKEL et al., "Development and in Vitro Characterization of a Cationized Monoclonal Antibody against β A4 Protein: A Potential Probe for Alzheimer's Disease," <i>Bioconjugate Chem.</i> , 5:119-125 (1994).	
	754	BLASBERG et al., "Regional Localization of Glioma-associated Antigen Defined by Monoclonal Antibody 81C8 in Vivo: Kinetics and Implications for Diagnosis and Therapy," <i>Cancer Research</i> , 47:4432-4443 (1987).	
	840	BORENSTEIN, S., "New Alzheimer's vaccine to be tested on people soon, Early experiments on mice halted condition; considered safe for humans," <i>Free Press</i> , 7/23/01.	
	746	BRAZIL et al., "Effects of Incorporation of Immunoglobulin G and Complement Component C1q on Uptake and Degradation of Alzheimer's Disease Amyloid Fibrils by Microglia," <i>J. Biol. Chem.</i> , 275(22):16941-16947 (2000).	
	832	BROADWELL et al., "Serum proteins bypass the blood-brain fluid barriers for extracellular entry to the central nervous system," <i>Exp. Neurol.</i> , 120(2):245-263 (1993).	
V	824	BROOKMEYER et al., "Projections of Alzheimer's Disease in the United States and the Public Health Impact of Delaying Disease Onset," <i>Am. J. Public Health</i> , 88:1337-1342 (1998).	

Examiner Signature	/Daniel Kolker/	Date Considered	01/03/2008
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		First Named Inventor	Schenk, D. B.
		Art Unit	1649
		Examiner Name	Ballard
		Attorney Docket Number	15270J-004743US
Sheet	6	of	12

/D.K./	791	BUSSIERE et al., "Morphological Characterization of Thioflavin-S-Positive Amyloid Plaques in Transgenic Alzheimer Mice and Effect of Passive A β Immunotherapy on Their Clearance," <i>Am. J. Pathology</i> , 165(3):987-995 (2004).	
	823	CASELL et al., "Demography and Epidemiology of Age-Associated Neuronal Impairment," chapter 4, pages 31-50 from <i>Functional Neurobiology of Aging</i> , Hof et al., eds., Academic Press (2001).	
	699	CLAYTON et al., "Synucleins in Synaptic Plasticity and Neurodegenerative Disorders," <i>J. Neurosci. Res.</i> , 58:120-129 (1999).	
	766	COICO et al., <i>Immunology A Short Course, Fifth Edition</i> , pages 18-24 (2003).	
	859	COMERY et al., "Passive Immunization Against β -Amyloid Leads to Acute Cognition Improvement," <i>Society for Neuroscience</i> , abstract, Washington DC, 11/12-16/05. 2005	
	687	COX et al., "Adjuvants—a classification and review of their modes of action," <i>Vaccine</i> , 15(3):248-256 (1997).	
	836	DAS et al., "Reduced effectiveness of A β -42 immunization in APP transgenic mice with significant amyloid deposition," <i>Neurobiology of Aging</i> , 22:721-727 (2001).	
	769	DAVIS, S. S., "Nasal Vaccines," <i>Advanced Drug Delivery Reviews</i> , 51:21-42 (2001).	
	861	DE FELICE et al., " β -Amyloid production, aggregation, and clearance as targets for therapy in Alzheimer's disease," <i>Cell Mol. Neurobiol.</i> , 22(5/6):545-563 (2002).	
	689	DE LUSTIG et al., "Peripheral Markers and Diagnostic Criteria in Alzheimer's Disease: Critical Evaluations," <i>Rev. In Neurosciences</i> , 5:213-225 (1994).	
	745	DEWITT et al., "Astrocytes regulate microglial phagocytosis of senile plaque cores of Alzheimer's disease," <i>Experimental Neurology</i> , 149:329-340 (1998).	
	698	Dictionary.com definition of "prophylactic", pages 1-3 downloaded from internet 10/12/05.	
	735	DI MARTINO et al., "Production and Characterization of Antibodies to Mouse Scrapie-Amyloid Protein Elicited by Non-carrier Linked Synthetic Peptide Immunogens," <i>J. Molecular Recognition</i> , 4(2-3):85-91 (1991).	
✓	862	DISIS et al., "Granulocyte-macrophage colony-stimulating factor: An effective adjuvant for protein and peptide-based vaccines," <i>Blood</i> , 88(1):202-210 (1996).	

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		Filing Date	November 27, 2000
		First Named Inventor	Schenk, D. B.
		Art Unit	1849
		Examiner Name	Ballard
Sheet 7 of 12	Attorney Docket Number	15270J-004743US	

/D.K./	817	DU et al., "α ₂ -Macroglobulin as a β-Amyloid Peptide-Binding Plasma Protein," <u>J. Neurochemistry</u> , 69(1):299-305 (1997).	
	811	European Search Report of 5/22/06 for European Application 06075704.4-2107.	
	812	European Search REport of 5/22/06 for European Application 06075479.3-2107.	
	852	European Search Report of 1/18/07 for European Application 04776252.1-2405.	
	873	GEYLIS et al., "Immunotherapy of Alzheimer's disease 9AD): From murine models to anti-amyloid beta 9Ab) human monoclonal antibodies," <u>Autoimmunity Rev.</u> , 5:33-39 (2000).	
	694	GUPTA et al., "Adjuvants for human vaccines—current status, problems, and future prospects," <u>Vaccine</u> , 13(14):1263-1275 (1995).	
	807	HARA et al., "Development of a safe oral Aβ vaccine using recombinant adeno-associated virus vector for Alzheimer's disease," <u>J. Alzheimer's Disease</u> , 6:483-488 (2004).	
	741	HIRSCHFIELD et al., "Amyloidosis: new strategies for treatment," <u>Int. J. Biochem. & Cell Biol.</u> , 35:1608-1613 (2003).	
	887	IDUSOGIE et al., "Mapping of the C1q Binding Site on Rituxan, a Chimeric Antibody with a Human IgG1 Fc," <u>J. Immunology</u> , 164:4178-4184 (2000).	
	792	KAJKOWSKI et al., "β-Amyloid Peptide-Induced Apoptosis Regulated by a Novel Protein Containing a G Protein Activation Module," <u>J. Biol. Chem.</u> , 276(22):18748-18756 (2001).	
	834	KALBACK et al., "APP Transgenic Mice Tg2576 Accumulate Aβ Peptides That Are Distinct from the Chemically Modified and Insoluble Peptides Deposited in Alzheimer's Disease Senile Plaques," <u>Biochemistry</u> , 41:922-928 (2002).	
	729	KASCSAK et al., "Mouse Polyclonal and Monoclonal Antibody to Scrapie-Associated Fibril Proteins," <u>J. Virology</u> , 61(12):3688-3693 (1987).	
	863	KIMCHI et al., "Analysis of cerebral amyloid angopathy in a transgenic mouse model of Alzheimer disease using in vivo multiphoton microscopy," <u>J. Neuropath Exp. Neurol.</u> , 60(3):274-279 (2001).	
↓	843	KLYUBIN et al., "Anti-Aβ Antibodies Prevent Block of Long-Term Potentiation in the CA1 Area of Rat Hippocampus <i>In Vivo</i> by naturally Produced Aβ Oligomers," <u>Neurobiology of Aging</u> , 25:S224-S225, abstract P2-004, pages S224-S225 (2004).	

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		Art Unit	1649
		Examiner Name	Ballard
		Attorney Docket Number	15270J-004743US
Sheet	8	of	12

/D.K./	794	KOFLER et al., "Immunoglobulin Light Chain Variable Region Gene Complex Organization and Immunoglobulin Genes Encoding Anti-DNA Autoantibodies in Lupus Mice," <i>J. Clin. Invest.</i> , 82:852-860 (1988).	
	826	KUBY, J., eds., page 123 from <i>Immunology, Third Edition</i> , W.H. Freeman & co., (1997).	
	888	KUBY, J., eds., pages 108-109, 131-132 from <i>Immunology, Third Edition</i> , W.H. Freeman & co., (1997).	
	695	KUO et al., "Water-soluble A β (N-40, N-42) Oligomers in Normal and Alzheimer Disease Brains," <i>J. Biol. Chem.</i> , 271(8):4077-4081 (1996).	
	833	KUO et al., "Comparative Analysis of Amyloid- β Chemical Structure and Amyloid Plaque Morphology of Transgenic Mouse and Alzheimer's Disease Brains," <i>J. Biol. Chem.</i> , 276(16):12991-12998 (2001).	
	734	KURASHIMA et al., "Production of Monoclonal Antibody against Amyloid Fibril Protein and Its Immunohistochemical Application," <i>Appl. Pathol.</i> , 3(1-2):39-54 (1985).	
	816	LaDu et al., "Isoform-specific Binding of Apolipoprotein E to β -Amyloid," <i>J. Biol. Chem.</i> , 269(38):23403-23406 (1994).	
	755	LAVIE et al., "EFRH-Phage Immunization of Alzheimer's Disease Animal Model Improves Behavioral Performance in Morris Water Maze Trials," <i>J. Molecular Neuroscience</i> , 24:105-113 (2004).	
	743	LICASTRO et al., "Is Immunotherapy an effective treatment for Alzheimer's disease?," <i>Immunity & Aging</i> , 1:1-2 (2004).	
	727	LINKE, "Monoclonal antibodies against amyloid fibril protein AA. Production, specificity, and use for immunohistochemical localization and classification of AA-type amyloidosis," <i>J. Histochemistry and Cytochemistry</i> , 32(3):322-328 (1982).	
	742	MANOJ et al., "Approaches to Enhance the Efficacy of DNA Vaccines," <i>Critical Rev. Clin. Lab. Sci.</i> , 41(1):1-39 (2004).	
	731	MARHAUG et al., "Monoclonal hybridoma antibodies to human amyloid related protein SAA," <i>Clin. Exp. Immunol.</i> , 50(2):390-396 (1982).	
↓	744	MAROTTA et al., "Overexpression of amyloid precursor protein A4 (β -amyloid) immunoreactivity in genetically transformed cells: Implications for a cellular model of Alzheimer amyloidosis," <i>PNAS</i> , 86:337-341 (1989).	

Examiner Signature	/Daniel Kolker/	Date Considered	01/03/2008
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,319
		Filing Date	November 27, 2000
		First Named Inventor	Schenk, D. B.
		Art Unit	1849
		Examiner Name	Ballard
		Attorney Docket Number	15270J-004743US
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/D.K./	732	MAURY et al., "Immunohistochemical Localization of Amyloid in Finnish Hereditary Amyloidosis with Antibodies to Gelsolin Peptides," <u>Laboratory Investigation</u> , 64(3):400-404 (1991).	
	822	Merriam-Webster online medical dictionary, entry for "cure", accessed September 5, 2006.	
	886	MORGAN et al., "The N-terminal end of the C _H 2 domain of chimeric human IgG1 anti-HLA-DR is necessary for C1q, FcγRII and FcγRIII binding," <u>Immunology</u> , 86:319-324 (1995).	
	841	OKIE, S., "Promising Vaccine Targets Ravager of Minds," <u>Washington Post</u> , page A01, 5/8/01.	
	808	OKURA et al., "Nonviral Aβ DNA vaccine therapy against Alzheimer's disease: Long-term effect and safety," <u>PNAS</u> , 103(25):9619-9624 (2006).	
	829	PARDRIDGE et al., "The Blood-Brain Barrier: Bottleneck in Brain Drug Development," <u>J. Am. Soc. Exp. Neurotherapeutics</u> , 2:3-14 (2005).	
	882	PARNETTI et al., "Cognitive Enhancement Therapy for Alzheimer's Disease, The Way Forward," <u>Drugs</u> , 53(5):752-768 (1997).	
	806	PCT Search Report of 8/11/06 for application PCT/US2006/002837.	
	850	PCT Search Report of 8/8/06 for application PCT/US2005/045515.	
	872	PCT Search Report of 4/6/06 and Written Opinion of 4/8/06 for application PCT/US04/44093.	
	774	PEETERS et al., "Comparison of four bifunctional reagents for coupling peptides to proteins and the effect of the three moieties on the immunogenicity of the conjugates," <u>J. Immunological Methods</u> , 120:133-143 (1989).	
	733	PHELPS et al., "Development and Characterization of Monoclonal Antibodies Specific for Amylin," <u>Hybridoma</u> , 15(5):379-386 (1996).	
	864	PIERA et al., "Cytokines as adjuvants: effects on the immunogenicity of NeuAc alpha 2-GalNAc alpha-O-Ser/Thr (sialyl-Tn)," <u>Int. J. Cancer</u> , 55(1):148-152 (1993).	
↓	837	Press Release, "Alzheimer's vaccine developer awarded Potamkin Prize," American Academy of Neurology, 5/7/01.	

Examiner Signature	/Daniel Kolker/	Date Considered	01/03/2008
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		First Named Inventor	Schenk, D. B.
		Art Unit	1649
		Examiner Name	Ballard
		Attorney Docket Number	15270J-004743US
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/D.K./	751	PROBERT et al., "Spontaneous inflammatory demyelinating disease in transgenic mice showing central nervous system-specific expression of tumor necrosis factor α ," <u>PNAS</u> , 92:11294-11298 (1995).	
/D.K./	809	QU et al., "A β ₄₂ gene vaccination reduces brain amyloid plaque burden in transgenic mice," <u>J. Neurological Sciences</u> , 244:151-158 (2006).	
	838	ROSENBERG, R. N., "The Potamkin Prize for Pick's, Alzheimer's Disease and Related Disorders," pages 1-5.	
/D.K./	865	ROSES, A.D., "Apolipoprotein E alleles as risk factors in Alzheimer's disease," <u>Annu. Rev. Med.</u> , 47:387-400 (1996).	
	851	SALDANHA et al., "A single backmutation in the human kIV framework of a previously unsuccessfully humanized antibody restores the binding activity and increases the secretion in cos cells," <u>Molecular Immunology</u> , 36:709-719 (1999).	
	759	SCHENK et al., "Current progress in beta-amyloid immunotherapy," <u>Curr. Opin. Immunology</u> , 16(5):599-606 (2004).	
	768	SCHMITT et al., "Interactions of the alzheimer β amyloid fragment ₍₂₅₋₃₅₎ with peripheral blood dendritic cells," <u>Mechanisms of Ageing and Development</u> , 94:223-232 (1997).	
	858	SEUBERT et al., "Antibody Capture of Soluble A β does not Reduce Cortical A β Amyloidosis in the PDAPP Mouse," <u>Neurodegenerative Diseases</u> , (2007).	
	818	SHINKAI et al., "Amyloid β -Proteins 1-40 and 1-42(43) in the Soluble Fraction of Extra- and Intracranial Blood Vessels," <u>Ann. Neurol.</u> , 38:421-428 (1995).	
	828	Signet Laboratories, Inc., Product data sheet for mouse monoclonal clone 6E10, revised 7/13/05.	
	697	SMALL et al., "Cerebral metabolic and cognitive decline in persons at genetic risk for Alzheimer's disease," <u>PNAS</u> , 97(11):6037-6042 (2000).	
	874	SOTO et al., "The conformation of Alzheimer's beta peptide determines the rate of amyloid formation and its resistance to proteolysis," <u>Biochem. J.</u> , 314:701-707 (1996).	
	839	TRAVIS, J., "A Vaccine for Alzheimer's Disease?@," <u>Science News Online</u> , 156(2) pages 1-3 downloaded from internet (1999).	
V	857	TRAVIS, J., "Saving the Mind Faces High Hurdles," <u>Science</u> , 309:731-734 (2005).	

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/D.K./	767	TRIEB et al., "APP Peptides Stimulate Lymphocyte Proliferation in Normals, But Not in Patients With Alzheimer's Disease," <u>Neurobiology of Aging</u> , 17(4):541-547 (1996).	
	844	UniProtKB/Swiss-Prot entry P18525, pages 1-3 downloaded from http://www.expasy.org/cgi-bin/niceprot.pl/printable?ac=P18525 on 2/8/97, "HV54_Mouse" (11/1/90).	
	815	URMONEIT et al., "Cerebrovascular Smooth Muscle Cells Internalize Alzheimer Amyloid Beta Protein via a Lipoprotein Pathway: Implications for Cerebral Amyloid Angiopathy," <u>Laboratory Investigation</u> , 77(2):157-166 (1997).	
	700	VALLEIX et al., "Hereditary renal amyloidosis caused by a new variant lysozyme W84R in a French family," <u>Kidney International</u> , 61:907-912 (2002).	
	775	VAN DEN DOBBELSTEEN et al., "Characteristics of Immune Responses to Native and Protein Conjugated Pneumococcal Polysaccharide Type 14," <u>Scand. J. Immunol.</u> , 41:273-280 (1995).	
	835	VAN LEUVEN, F., "Single and multiple transgenic mice as models for Alzheimer's disease," <u>Progress in Neurobiology</u> , 61:305-312 (2000).	
	690	VICKERS, J. C., "A Vaccine Against Alzheimer's Disease," <u>Drugs Aging</u> , 19(7):487-494 (2002).	
	800	VIDANOVIC et al., "Effects of nonionic surfactants on the physical stability of immunoglobulin G in aqueous solution during mechanical agitation," <u>DIE PHARMAZIE</u> , 58(6):399-404 (2003).	
	801	WANG, W., "Instability, stabilization, and formulation of liquid protein pharmaceuticals," <u>Int. J. Pharmaceutics</u> , 185(2):129-188 (1999).	
	688	<u>Webster's New World Dictionary of American English</u> , Third College Edition, page 1078 (1988).	
	749	Wikipedia definition of "epitope" printed from internet on 4/26/06.	
	752	Wikipedia definition of "antigen" printed from internet on 4/26/06.	
✓	753	Wikipedia definition of "route of administration including parenteral" printed from internet on 4/26/06.	

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		First Named Inventor	Schenk, D. B.
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Sheet	12	of	12

/D.K./	728	YAMADA et al., "Generation and Characterization of Rat Monoclonal Antibodies Against Human Serum Amyloid A," <u>Scand. J. Immunol.</u> , 46(2):175-179 (1997).	
	793	ZAMEER et al., "Single Chain Fv Antibodies against 25-35 Peptide Fragment of Amyloid- β : Potential Therapeutic for Alzheimer's Disease," Abstract P4-420, Page S593, presented at Poster Session P4: Therapeutics and Therapeutic Strategies-Therapeutic Strategies Amyloid-Based	
/D.K./	825	ZHANG et al., "Specialized Applications, Purification of Recombinant Proteins and Study of Protein Interaction by Epitope Tagging," <u>Current Protocols in Mol. Biol.</u> , Supp 41, pages 10.15.1 through 10.15.9 (1998).	
/D.K./	810	ZHANG et al., "A novel recombinant adeno-associated virus vaccine reduces behavioral impairment and β -amyloid plaques in a mouse model of Alzheimer's disease," <u>Neurobiology of Disease</u> , 14:365-379 (2003).	

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				Application Number	09/724,319
				Filing Date	November 27, 2000
				First Named Inventor	Schenk, Dale B.
				Art Unit	1649
				Examiner Name	Ballard, Kimberly
Sheet	1	of	2	Attorney Docket Number	15270J-004743US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
/D.K./	892	6,923,964	08-02-2005	Schenk	

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/D.K./	898	ASKELOF et al., "Protective immunogenicity of two synthetic peptides selected from the amino acid sequence of <i>Bordetella pertussis</i> toxin subunit S1," <u>PNAS</u> , 87:1347-1351 (1990).	<input type="checkbox"/>
↓	891	CASADESUS et al., "The Estrogen Myth: Potential Use of Gonadotropin-Releasing Hormone Agonists for the Treatment of Alzheimer's Disease," <u>Drugs R D</u> , 7(3):187-193 (2006).	<input type="checkbox"/>
	893	DE LA CRUZ et al., "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," <u>J Biol Chem</u> , 263(9):4318-4322 (1988).	<input type="checkbox"/>
	896	GROSS et al., "Microvascular specializations promoting rapid interstitial solute dispersion in nucleus tractus solitarius," <u>Am J Physiol Regul Integr Comp Physiol</u> , 259:R1131-R1138 (1990).	<input type="checkbox"/>
	895	KHATOON et al., "Levels of normal and abnormally phosphorylated tau in different cellular and regional compartments of Alzheimer's disease and control brains," <u>FEBS Letters</u> , 351:80-84 (1994).	<input type="checkbox"/>
	889	LIU et al., "Amyloid β peptide alters intracellular vesicle trafficking and cholesterol homeostasis," <u>Proc. Natl. Acad. Sci.</u> , 95:13266-13271 (1998).	<input type="checkbox"/>
	890	PEREZ et al., "The β -Amyloid Precursor Protein of Alzheimer's Disease Enhances Neuron Viability and Modulates Neuronal Polarity," <u>J. Neurosci.</u> , 17(24):9407-9414 (1997).	<input type="checkbox"/>
	897	WHITCOMB et al., "Characterization of saturable binding sites for circulating pancreatic polypeptide in rat brain," <u>Am J Physiol Gastrointest Liver Physiol</u> , 259:G687-G691 (1990).	<input type="checkbox"/>
↓	894	WU et al., "Expression of immunogenic epitopes of hepatitis B surface antigen with hybrid flagellin proteins by a vaccine strain of <i>Salmonella</i> ," <u>PNAS</u> , 86:4726-4730 (1989).	<input type="checkbox"/>

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